

ABSTRACT

A non-austemper-treated spheroidal graphite cast iron obtainable without being subjected to an austemper treatment.

- 5 The non-austemper-treated spheroidal graphite cast iron has a tensile strength of 650 – 850 MPa and an elongation of 7.0 – 14.5%. In the non-austemper-treated spheroidal graphite cast iron, V-notch material has a fatigue limit of 290 MPa or more. The non-austemper-treated spheroidal graphite cast iron has well-balanced mechanical properties both in tensile strength and elongation and improved tensile strength and elongation than conventional one.

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